INSTRUCTION MANUAL

NECCHI

MODEL 575 FA
MODEL 574 FB

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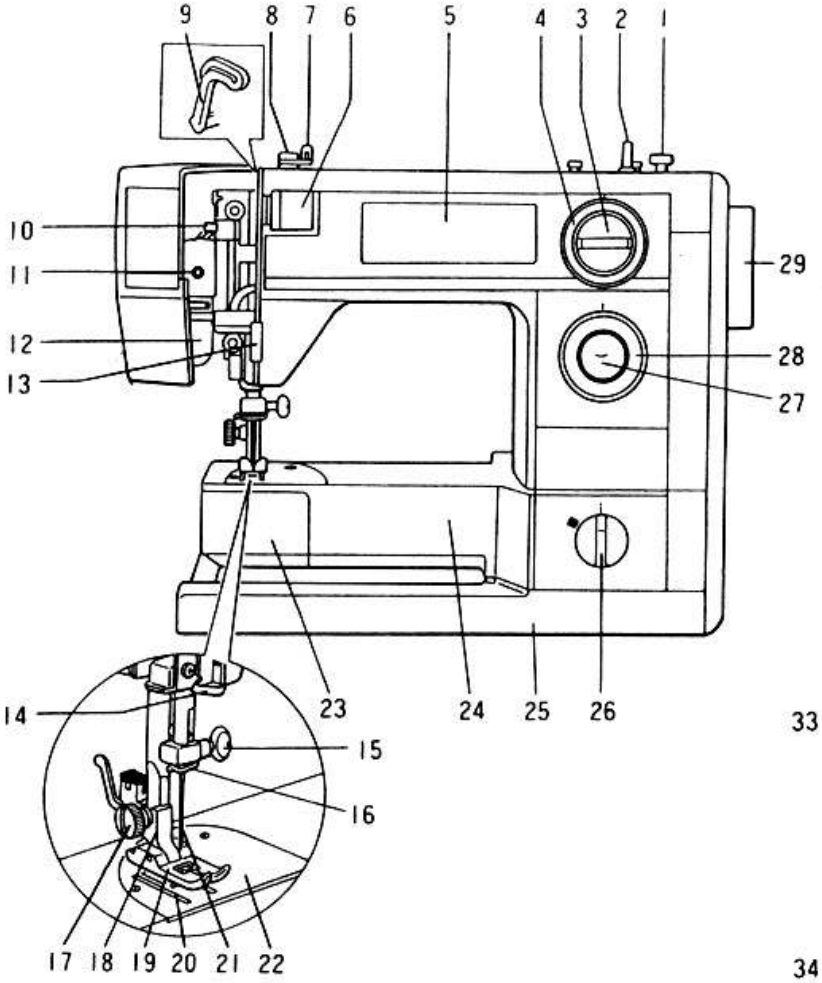
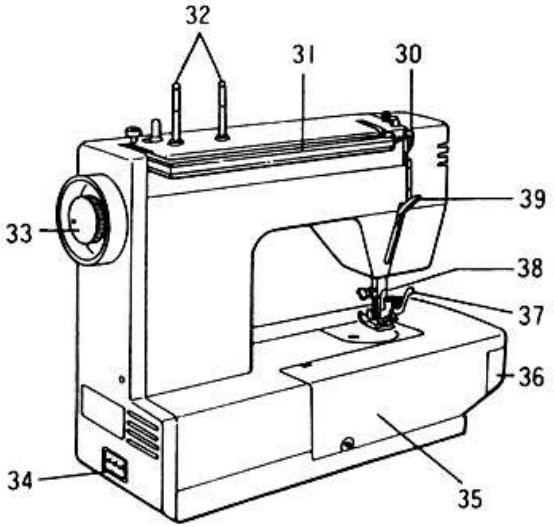
MODEL 575 FA

NAMES OF PARTS

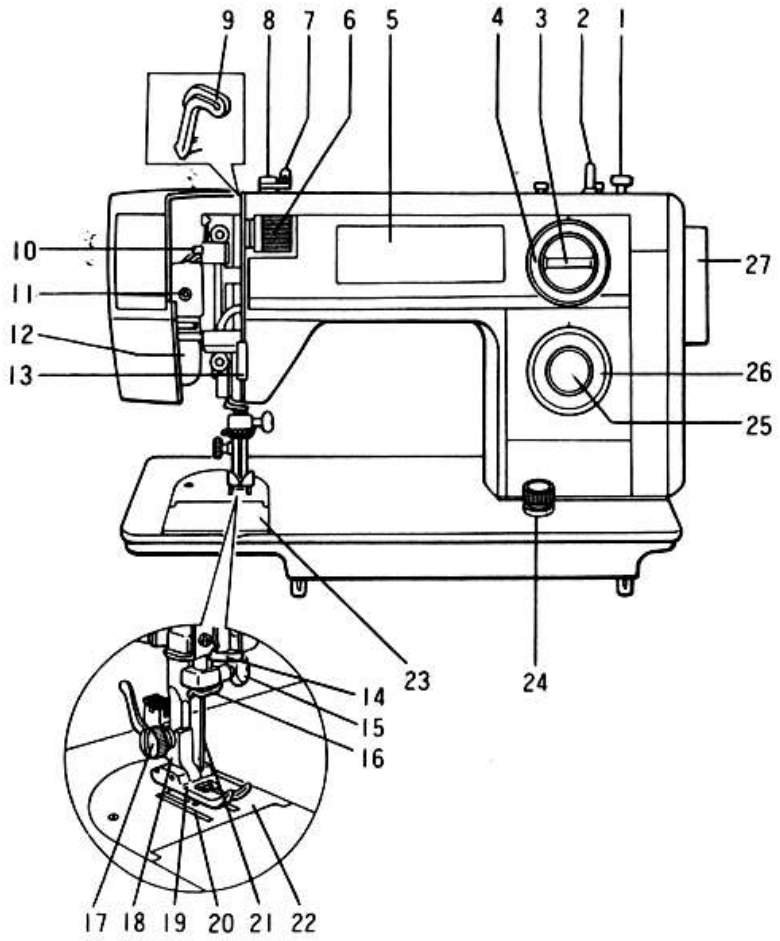


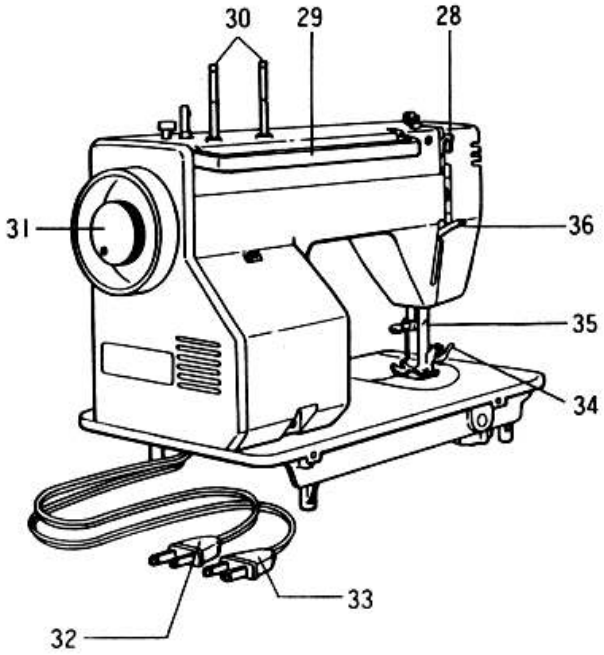


1. Bobbin Winder Stop
2. Bobbin Winder Spindle
3. Stitch Width Knob
4. Pattern Selector Knob
5. Pattern Chart
6. Thread Tension Dial
7. Arm Cover Thread Guide
8. Bobbin Winder Tension Disc
9. Thread Take-Up Lever
10. Pressure Regulator
11. Sewing Light Switch
12. Sewing Light Bulb
13. Thread Check Spring
14. Lower Thread Guide
15. Needle Clamp Screw
16. Needle Bar Thread Guide
17. Presser Foot Thumb Screw
18. Presser Foot Holder
19. Presser Foot
20. Fabric Feed Dogs
21. Needle
22. Needle Plate
23. Bobbin Case Cover
24. Free Arm
25. Measure
26. Drop-Feed Knob
27. Reverse Stitch Button
28. Stitch Length Knob
29. Hand Wheel
30. Rear Thread Guide
31. Handle
32. Spool Pins
33. Stop Motion Knob
34. Terminal Box
35. Extension Plate
36. Drawer
37. Presser Foot Release Lever
38. Thread Cutter
39. Presser Foot Lifter

MODEL 574 FB

NAMES OF PARTS





1. Bobbin Winder Stop
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22. Needle Plate
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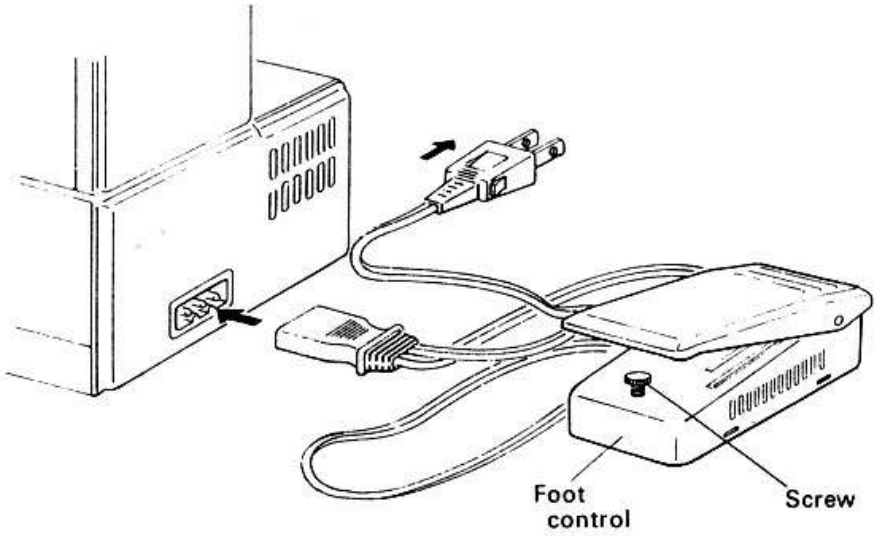
24. Drop-Feed Knob
25. Reverse Stitch Button
26. Stitch Length Knob
27. Hand Wheel
28. Rear Thread Guide
29. Handle
30. Spool Pins
31. Stop Motion Knob
32. Light Plug
33. Motor Plug
34. Presser Foot Release Lever
35. Thread Cutter
36. Presser Foot Lifter

MODEL 575 FA

ELECTRICAL CONNECTION



Connect foot control to the machine by inserting the 3-hole plug onto the three prongs located on the side of the sewing machine head.

Connect cord plug into electrical outlet.

Turn on electrical current by pressing foot control.

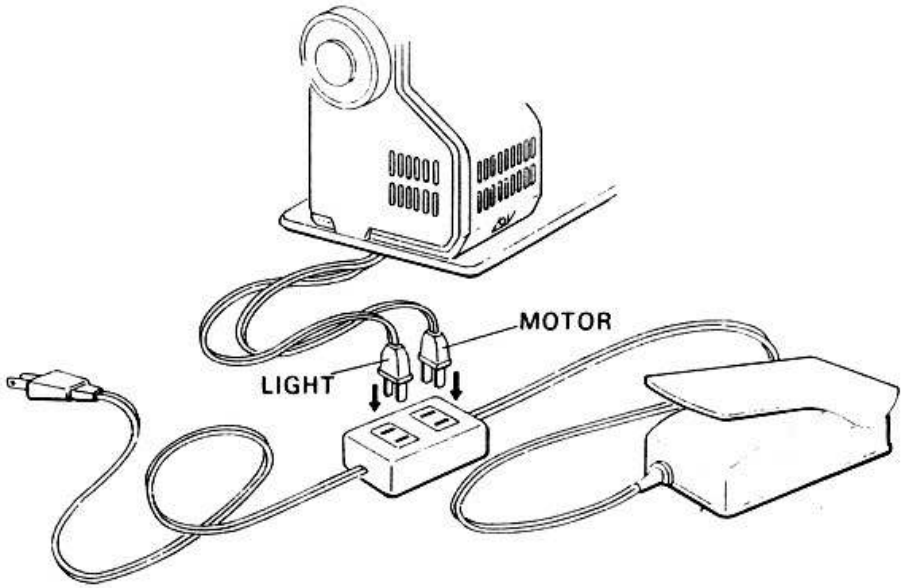
The speed of the machine is regulated by the amount of pressure exerted on the foot control.

Adjust the maximum speed by setting the screw on the foot control higher or lower.

CAUTION: When the machine is not in use or cleaning the machine, remove the cord plug.

MODEL 574 FB

ELECTRICAL CONNECTION



Attach the "LIGHT" and "MOTOR" plug to the "LIGHT" and "MOTOR" connector.

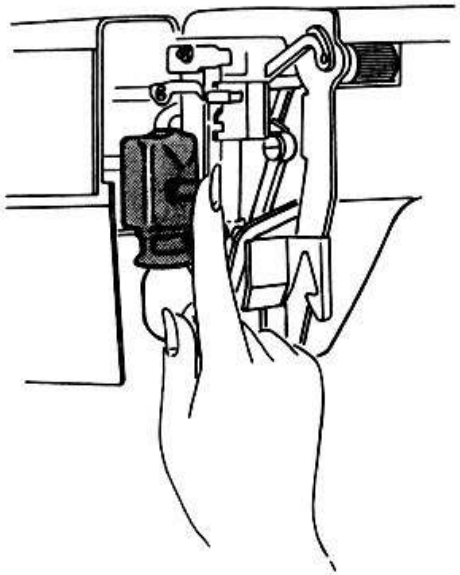
Connect cord plug into electrical outlet.

Turn on electrical current by pressing foot control.

The speed of the machine is regulated by the amount of pressure exerted on the foot control.

CAUTION: 1. When the machine is not in use or cleaning the machine, remove the cord plug.
2. If motor and light plugs are reversed, motor will run continuously.

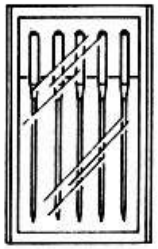
SEWING LIGHT



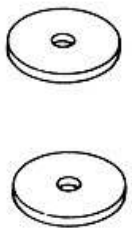
The on and off push button type sewing light switch is on the light socket. The light socket is inside face plate. To replace the bulb, open face plate and turn bulb out of socket.

CAUTION: Before attempting to change the bulb, remove the electrical cord from the wall outlet.

ACCESSORIES



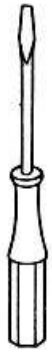
Needles



Felt washers

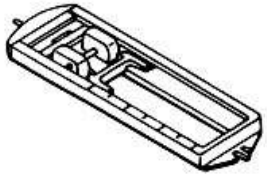
Bobbins

Seam ripper



Screwdriver

Blind stitch foot



Buttonhole foot

Button sewing foot

Zipper foot

Regular foot
This foot is attached on the machine.

EXTENSION PLATE

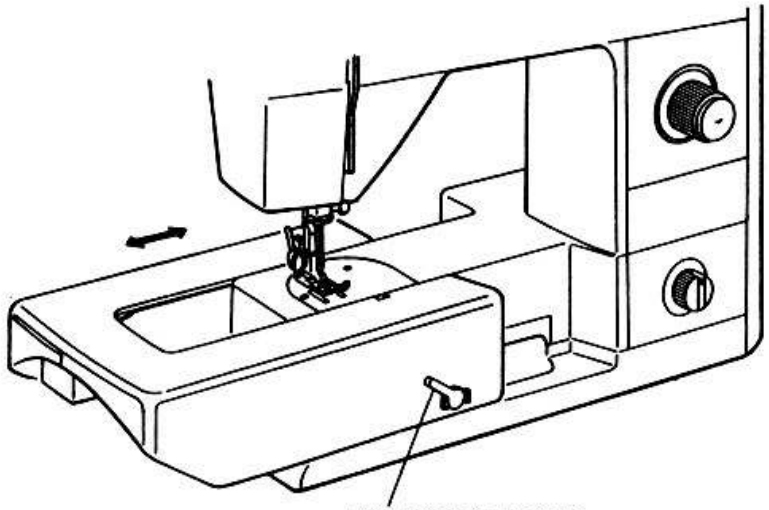
◆FOR FREE ARM SEWING

1. Set extension plate clamp lever to "FREE."
2. Remove the extension plate by sliding it to the left while slightly lifting the left side up.

◆FOR FLAT BED SEWING

1. Set the extension plate clamp lever to "FREE."
2. Attach the extension plate by sliding it into the tubular bed.
3. Turn the extension plate clamp lever to "LOCK" and the extension plate will be fixed to the machine.

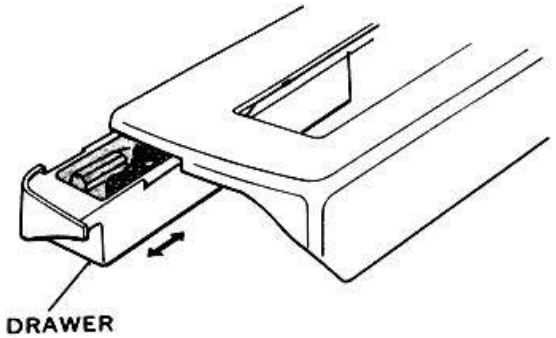
Free arm sewing machine is very convenient for sewing sleeves, trousers and/or similar places that are difficult to sew on an ordinary flat bed machine.



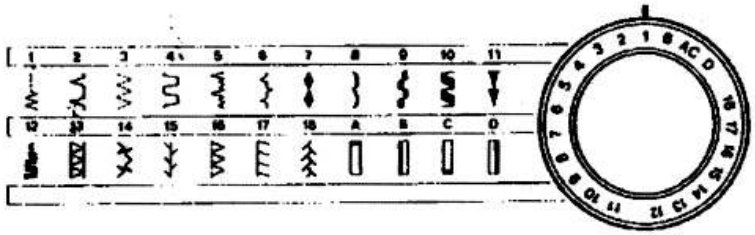
◆DRAWER

The accessories are found in the drawer located at rear side of extension plate.

Be sure the drawer is fitted properly into the rail guides when replacing the drawer.



PATTERN SELECTOR KNOB
(OUTER KNOB)

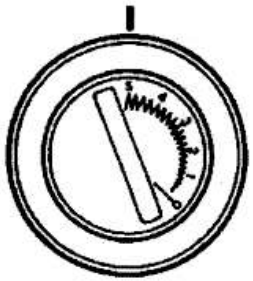


The pattern chart on the front of the machine shows the stitches your machine is capable of making automatically. The numbers above the stitches on the stitch selection panel correspond the numbers on the pattern selector. Turn the outer knob which is the pattern selector to the number of the desired stitch.

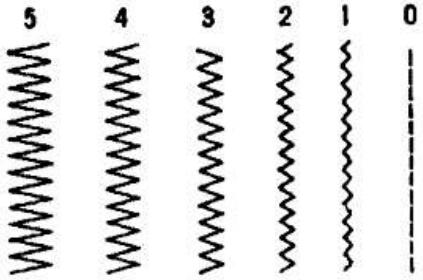
The colors on the pattern chart and numbers on the pattern selector will make it easier to set the stitch length knob.

Colors of Patterns and Numbers	Stitch Length Knob
Black (1 - 6)	0 - 4
Pink (1 - 11, A - D)	(Pink)
Blue (12 - 18)	4 - (Blue)

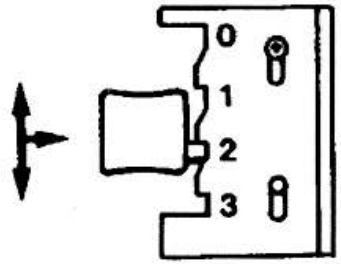
STITCH WIDTH KNOB
(INNER KNOB)



The inner knob is the stitch width knob. The setting of this knob limits the width of the stitch.
For wider zigzag width, turn knob to the right.



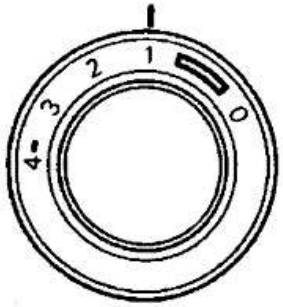
PRESSURE REGULATOR



This lever is to adjust the pressure on the presser foot. Pressure on the presser foot can be adjusted for different weight of fabric. The higher the number, the stronger the pressure. The heavier the fabric, the more pressure required.
For ordinary fabrics, set lever at 2.

Do not adjust patterns selector knob or stitch width knob with needle in fabric.
Turn hand wheel until needle is clear of fabric before making adjustment in settings.

STITCH LENGTH KNOB



This knob controls the length of the stitches.
For shortest stitch, turn knob to "▬".

For longest stitch or whenever sewing stretch stitch patterns, turn knob to "4".

0 Does not feed fabric

▬ For buttonhole sewing or satin stitches

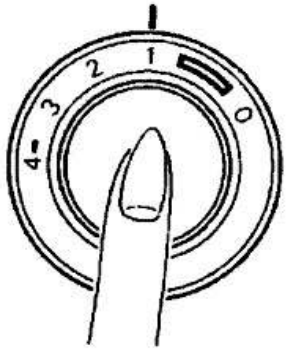
1 ----------

2 ----------

3 ----------

4 ----------

REVERSE STITCH BUTTON



To sew in reverse as for tacking ends of seams, press button in center of stitch length knob and hold.
Machine will feed fabric in reverse as long as button is held in all the way.

DROP-FEED KNOB

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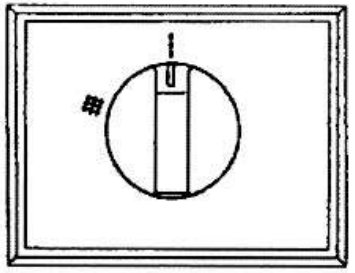

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The Drop-Feed knob controls the fabric feed dogs.
FOR ORDINARY SEWING, turn knob to "┆".
FOR DARNING or whenever fabric is to be moved by hand, turn knob to "###".

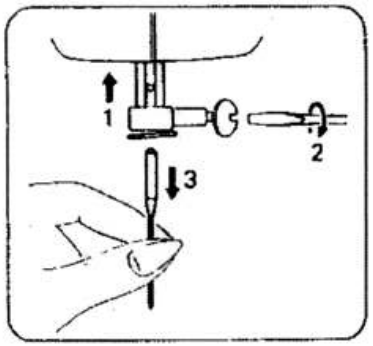
SELECTING NEEDLE

Size and Grades of Needles		Type of Fabric and Work to be Done
US size 15×1	European 705	
# 10	# 70	Delicate fabrics like georgette, chiffon, batiste, fine lace, linen and other sheer fabrics. For fine lingerie, infants' clothes and fine lace work.
# 12	# 80	Medium light-weight and summer-time fabrics, for house dresses, washable cotton dresses, aprons, curtains, children's dresses.
# 14	# 90	Dress silks and cottons, light weight woolens, draperies, fabric furnishings. For general household sewing, men's fine shirts, smocks and fabric decoration. Heavy cretonne, madras, muslin, brocades, and quilts. For men's work shirts, and fabric furnishings.
# 18	# 110	Heavy woven coating, light weight canvas, bed ticking, upholstery and awning material, slip covers. Heavy woven suiting, coating, duck ticking, drilling, canvas and sacking.
# 20	# 120	For bags, canvas, coarse clothes and heavy goods.

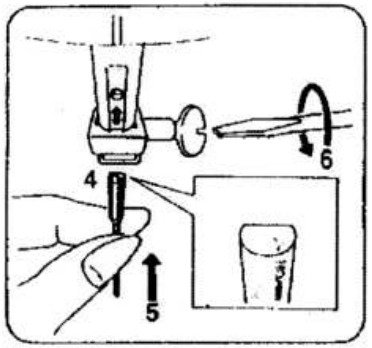
The knit needle (with blue shank) is designed especially for sewing synthetic woven stretch and knit fabrics.

SETTING THE NEEDLE

Select a needle of proper type and size for fabric to be sewn. See Page 9 SELECTING NEEDLE.



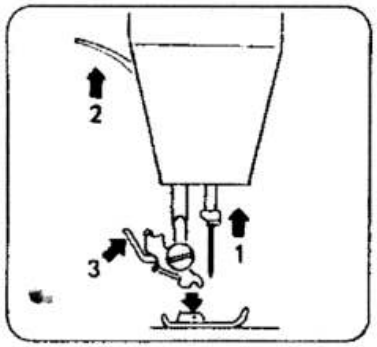
1. Turn hand wheel toward you until needle bar is at its highest point.
2. Loosen needle clamp screw.
3. Remove the needle.



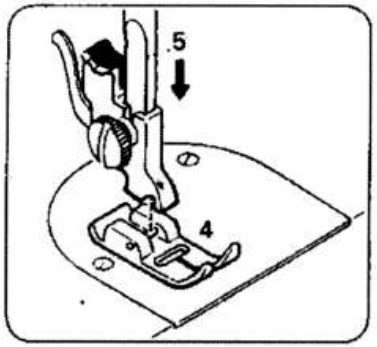
4. Place flat side of needle towards the back of machine.
5. Insert needle in needle clamp as far as it will go.
6. Tighten needle clamp screw.

CHANGING THE PRESSER FOOT

Presser foot must be changed according to the stitch or operation you sew.



1. Turn hand wheel toward you until needle bar is at its highest point.
2. Raise the presser foot lifter.
3. Remove presser foot by pulling the presser foot release lever toward you.

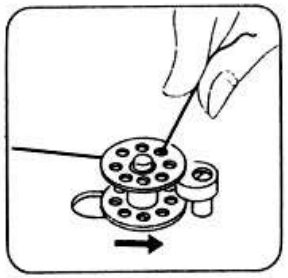


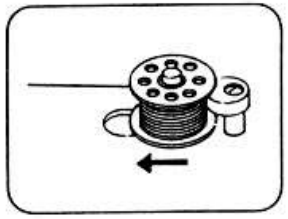
4. Place the desired foot below the presser foot holder so that the pin on the foot fits into the space between the presser foot holder bracket and spring.
5. Lower the presser foot lifter and presser foot will snap into place.

Certain presser feet are not constructed as snap-on feet. In such instances, presser foot holder must be changed. Remove presser foot holder by loosening thumb screw.

WINDING THE BOBBIN

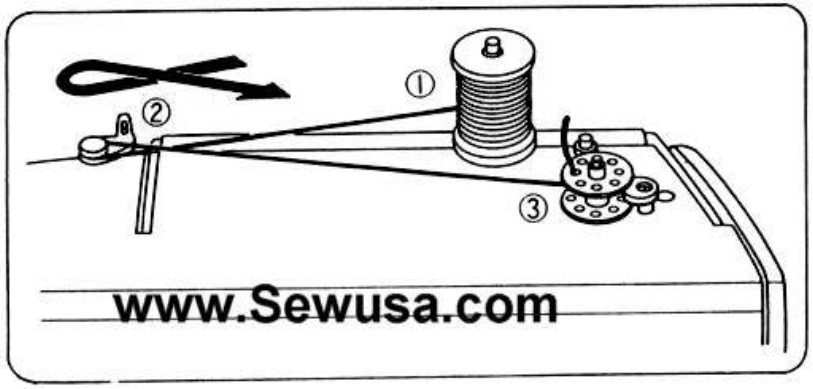
1. Turn the stop motion knob toward you with the right hand (while holding the hand wheel with the left hand) to disconnect the sewing mechanism for the bobbin winding operation.





3. Insert thread through any hole on the upper side of the bobbin from inside-out. Leave 3 to 4 inches of thread projecting from the bobbin.
4. Place bobbin on bobbin winder spindle and push spindle toward bobbin winder stop, to engage the bobbin winding mechanism.
5. Hold end of thread and operate foot control to start the machine.
6. When spindle starts to spin, end of thread will break off.
7. Bobbin winder will stop itself when bobbin is full. Push bobbin and spindle to the left. Remove bobbin from spindle and cut thread.
8. Hold hand wheel and tighten stop motion knob by turning it away from you.

2. Thread the machine in sequence with the numbers 1 to 3.



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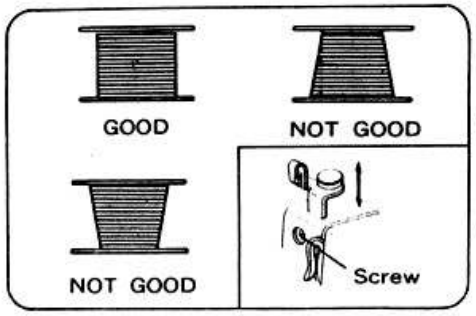
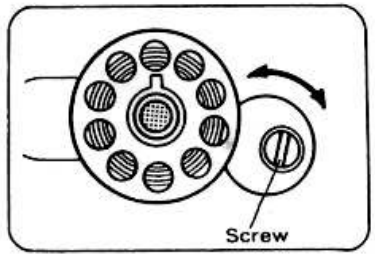


If bobbin winds unevenly, loosen screw which holds bobbin tension disc and move disc up or down, as required, to align it with bobbin winder.



When the bobbin thread is wound too little or too much, adjustment can be made by turning the bobbin winder stop slighhtly after loosening the center screw.

INSERTING BOBBIN INTO CASE

When replacing the bobbin case, needle bar must be at its highest position.

● Removing the bobbin case

Open the bobbin case cover.

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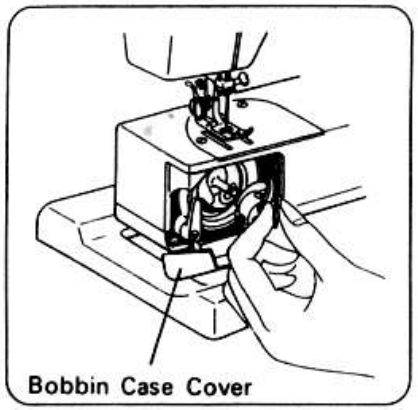
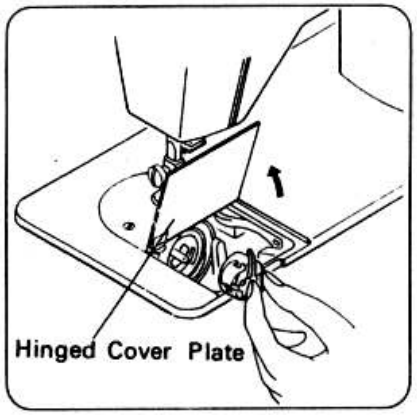


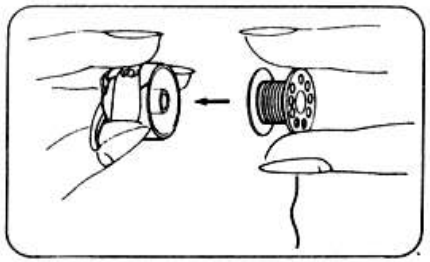
Open the hinged cover plate.

MODEL 574FB

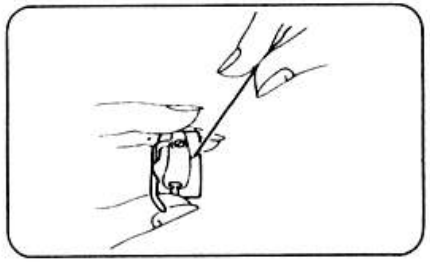


Grasp bobbin case latch and withdraw bobbin and case from shuttle body.

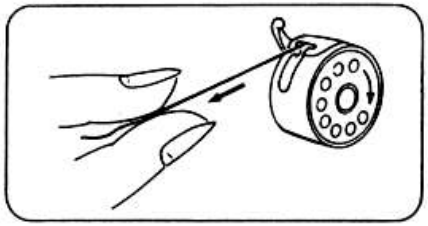
● Inserting bobbin into case



Insert bobbin into case with thread on top leading left to right.

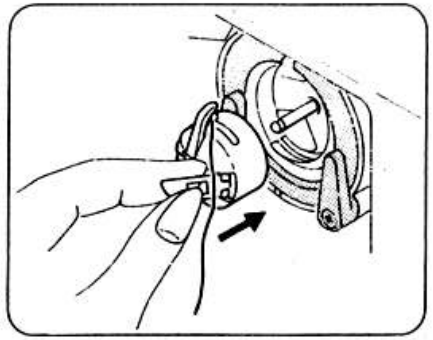


Draw thread under tension spring and into forkshaped opening of spring.

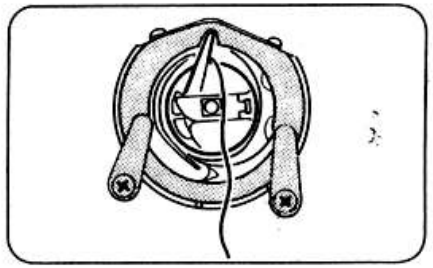


Bobbin turns clockwise in case when the extending thread is pulled.

● Inserting the bobbin case into shuttle body



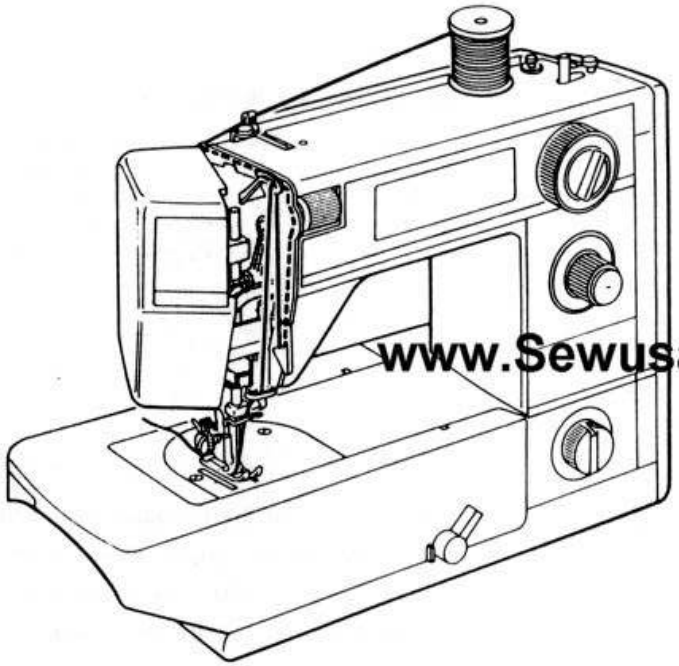
Open bobbin case latch, grasping it in your left hand, with bobbin case finger pointing up.
Slip bobbin and case on stud of shuttle body, and press on securely.

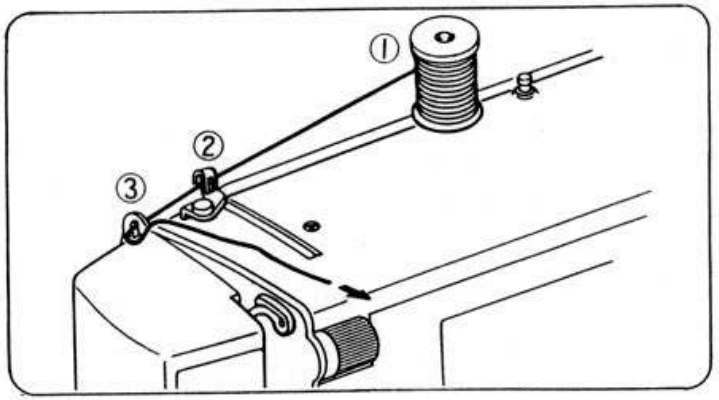


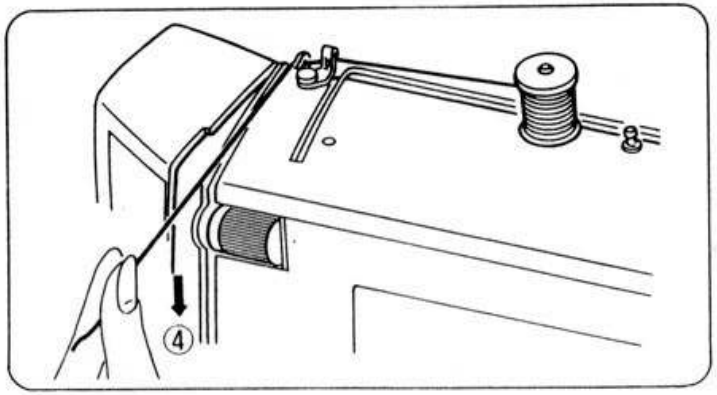
Release bobbin case latch. If bobbin case is not positioned properly, it could cause trouble.

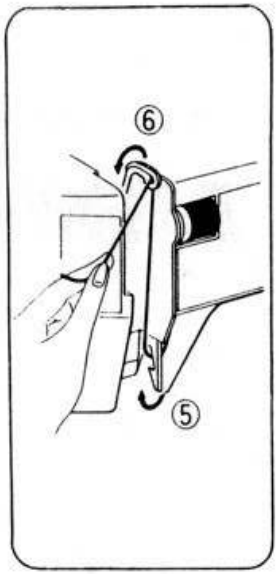
THREADING THE MACHINE

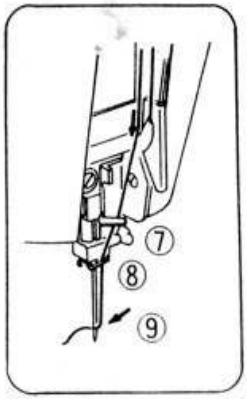
The illustration below shows machine completely threaded. Open the face plate and thread the machine in sequence with the numbers ① to ⑨.











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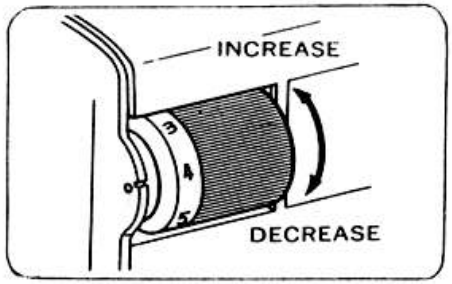
REGULATING THE THREAD TENSION

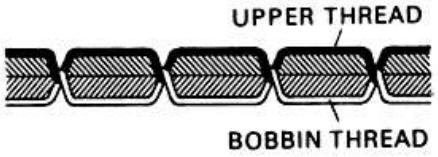
The thread tension must be properly balanced.
If adjustment is required, it can be made normally by regulating the upper thread tension.



TO INCREASE UPPER THREAD TENSION, lower presser foot and turn tension dial to a higher number.

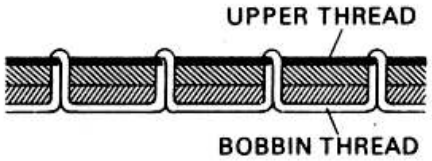
TO DECREASE UPPER THREAD TENSION, lower presser foot and turn tension dial to a lower number.

Correct Thread Tension



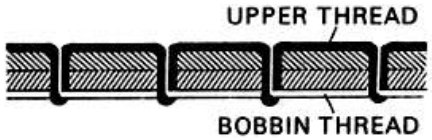
Upper and bobbin thread locked in center of seam.

Upper thread tension too tight
(or bobbin thread too loose)



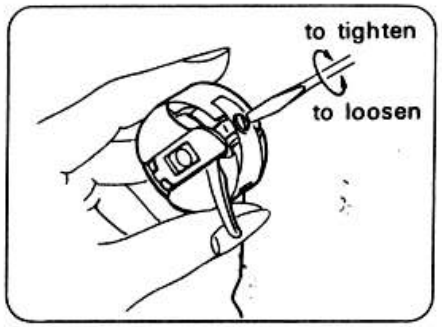
Decrease the upper thread tension.

Upper thread tension too loose
(or bobbin thread too tight)



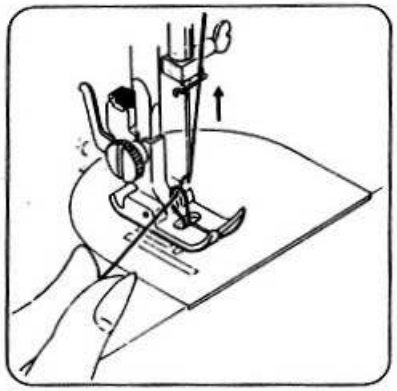
Increase the upper thread tension.

● Adjusting the bobbin thread tension

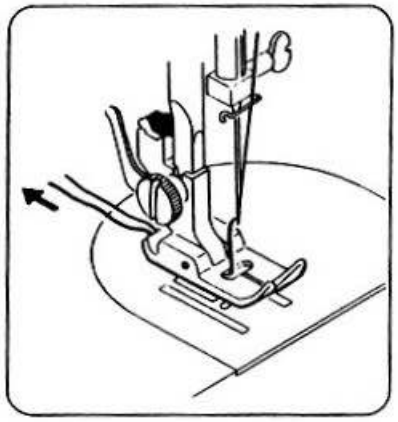


If it is impossible to balance the stitch by adjusting the upper thread tension, it may be necessary to make a slight adjustment on the bobbin tension.

DRAWING UP BOBBIN THREAD

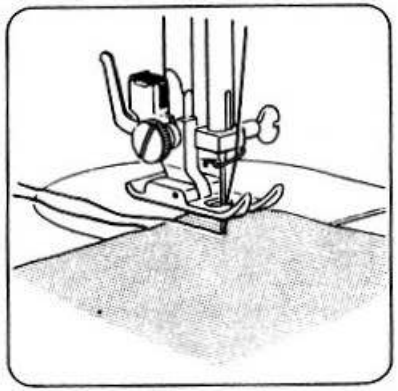


1. Raise presser foot liffer. Hold upper thread loosely in left hand and turn hand wheel toward you one complete turn with right hand and watching that the take-up lever has reached it's highest point. Draw end of bobbin thread up through hole in needle plate by pulling upper thread.

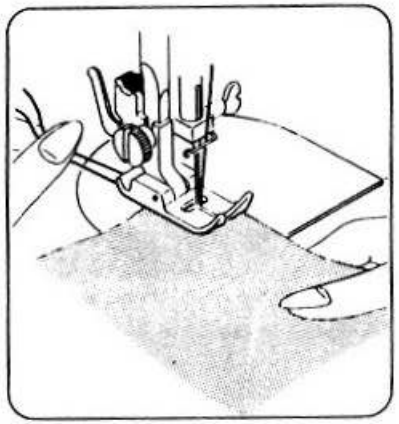


2. Place both threads under presser foot toward rear of machine.

STARTING TO SEW

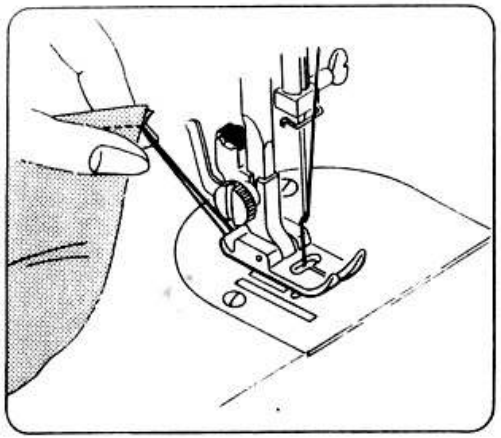


1. Place double thickness of fabric under the presser foot, insert needle into fabric by rotating hand wheel toward you, and lower the foot.

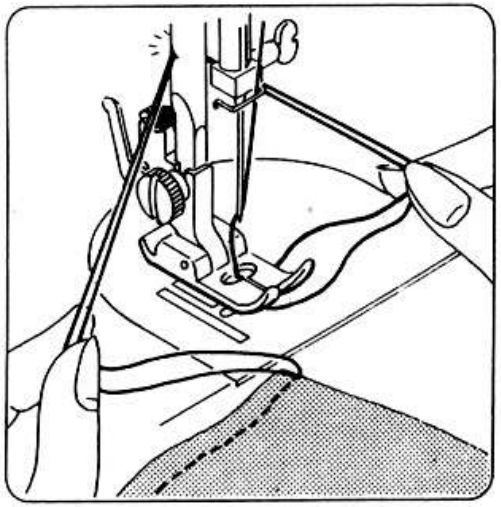


2. Always hold on to both threads when beginning to sew for the first several stitches in order to avoid jamming the machine. Guide the fabric but do not pull it.

REMOVING THE WORK

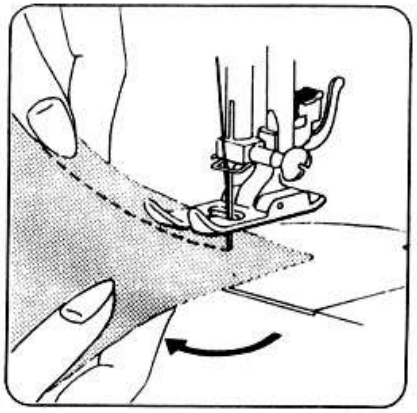


1. Turn hand wheel toward you until the thread take-up lever is at its highest point.
2. Raise presser foot and draw fabric back and to the left.



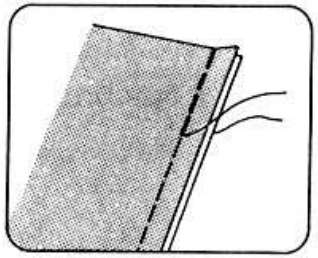
3. Cut threads by passing them over thread cutter and pulling down on thread.

TURNING THE CORNERS

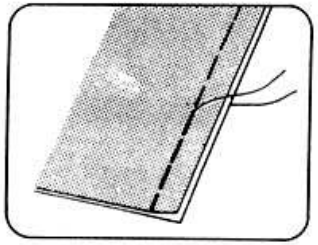


1. Stop the machine with the needle in the fabric.
2. Raise the presser foot.
3. Using needle as a pivot, turn fabric.
4. Lower presser foot and continue sewing.

TACKING ENDS OF SEAMS

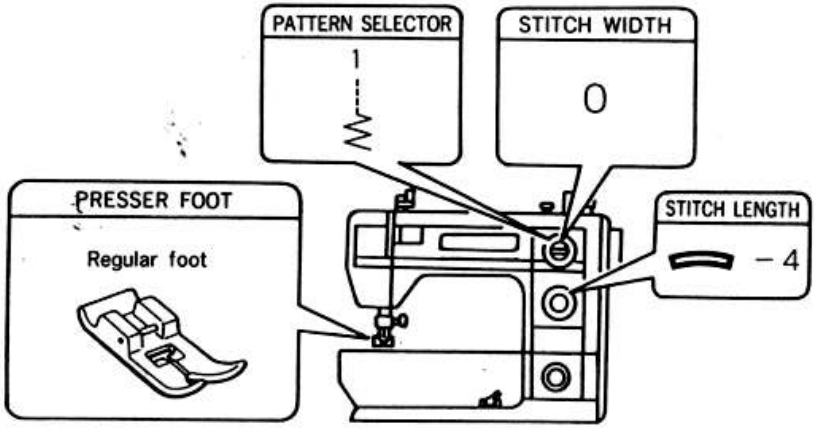


To reinforce the end of a seam, position the needle in the fabric about 1/2 inch from the beginning point and lower the presser foot. Press the reverse stitch button and hold in while backstitching to the edge of the fabric. Release the button and sew the seam.



When you reach the end, again hold in the reverse stitch button and backstitch for about 1/2 inch.

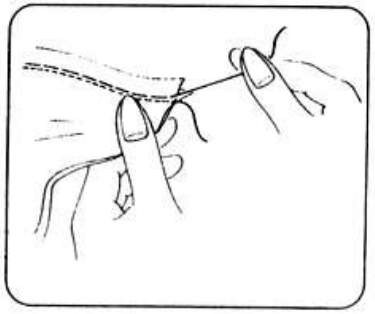
STRAIGHT STITCH



Straight stitch is the most frequently used and simplest seam to sew. Set the stitch length suitable for the fabric.

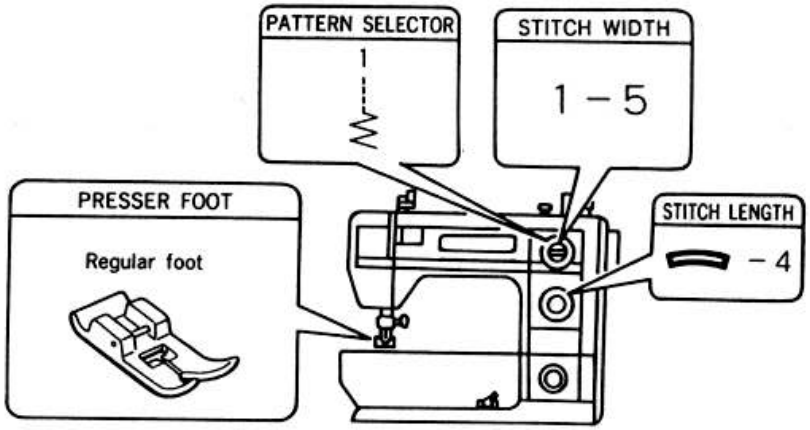
● Machine Basting

For machine basting, reduce upper thread tension by turning thread tension dial to a lower number, and set the stitch length knob at "4". Stitch inside the seam allowance.



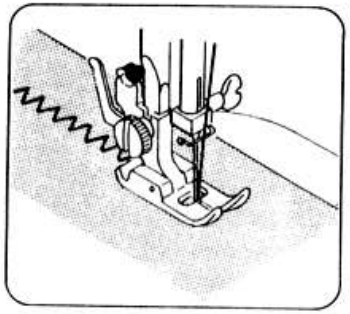
After permanent stitching of the article is completed, basting stitches can be removed easily by pulling the lower thread.

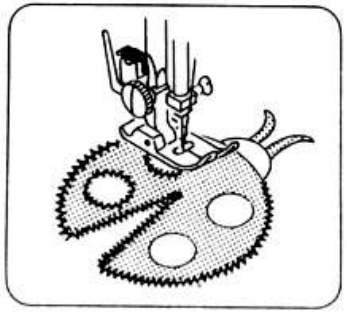
ZIGZAG STITCH



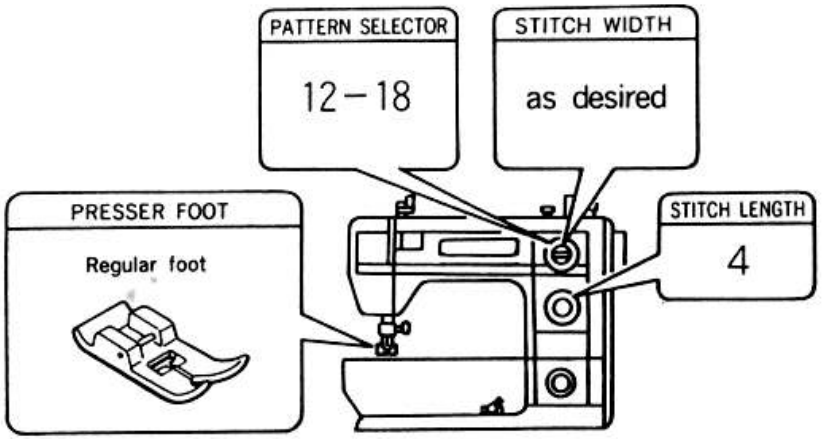
Your machine will produce zigzag stitches of various widths and lengths by setting the Stitch width knob and Stitch length knob.

When sewing very thin fabrics, place a thin sheet of paper beneath the fabric while stitching. The paper can be easily torn away when sewing is completed.





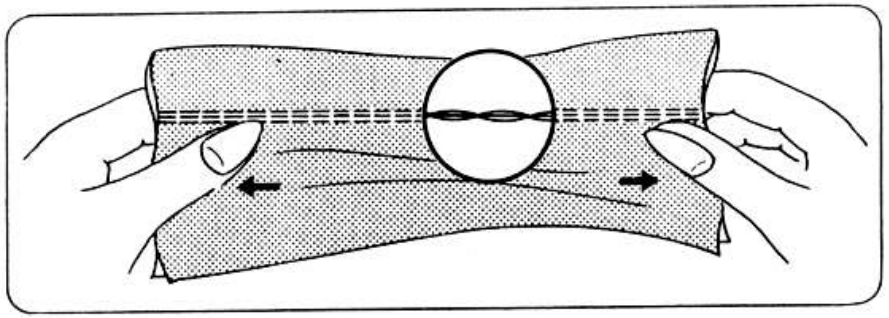
STRETCH STITCH SEWING



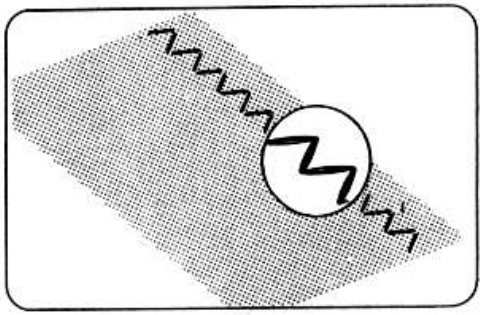
It assures you of a stitch that is strong and flexible and will give with the fabric without breaking.
Good for active sportswear or durable fabrics such as denim.

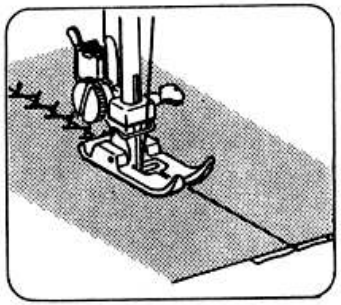
Your machine has 8 built-in stretch stitches;

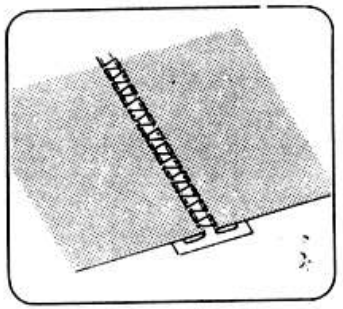
NOTE: If stitch length is set to less than 4, machine will knock.



We recommend you that you should use knit needle (with blue shank) for sewing stretch fabrics.
(705H-S type needles)

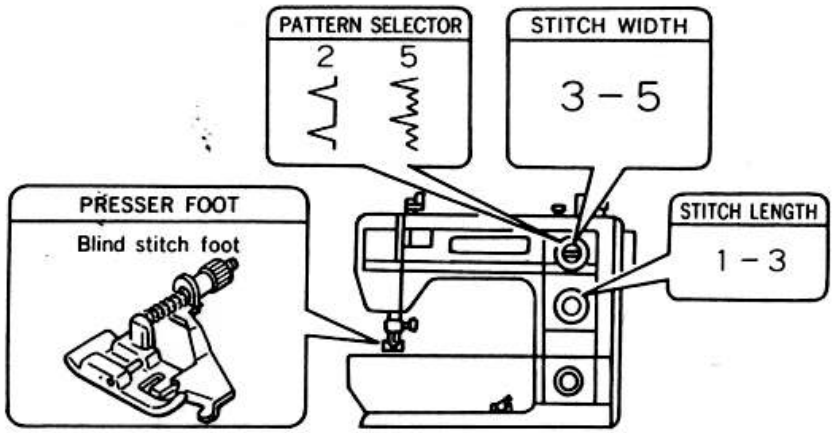




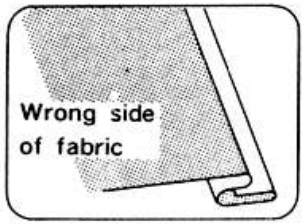


These stretch patterns are good for overcasting, joining two pieces of fabric, fagoting and sewing stretch fabrics.

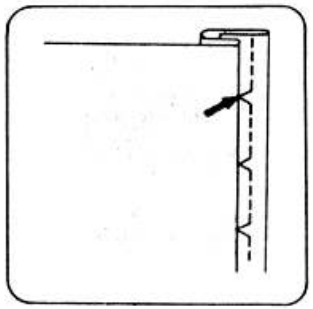
BLIND HEM STITCHING



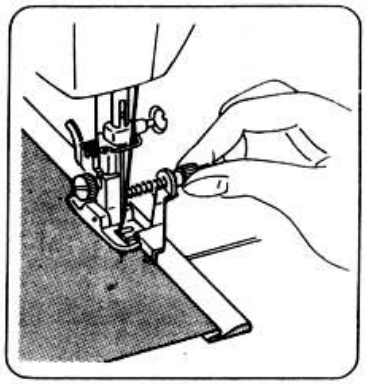
The blind hem stitching also can be done with using pattern selector 5( ).
This pattern is good for hemming stretch fabrics. All other settings are the same.



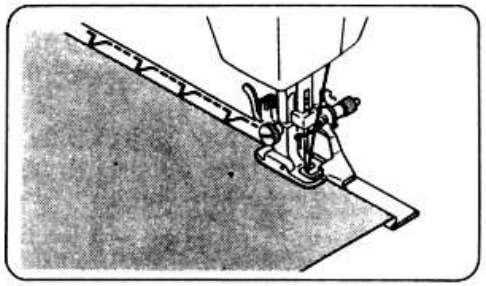
Fold hem back against right side of garment with top edge of hem extending about 1/4 inch to the right of the garment.



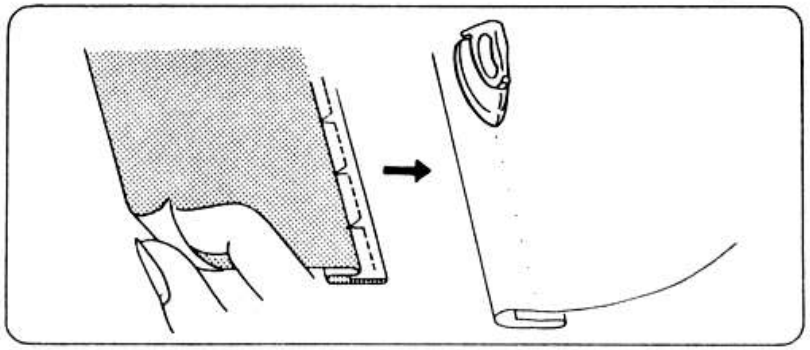
Place fabric so that the straight stitches are on the protruding hem edge and zigzag stitch just catches one thread of the folded edges.



Turn the screw so that the guide barely touches the folded edge of fabric.

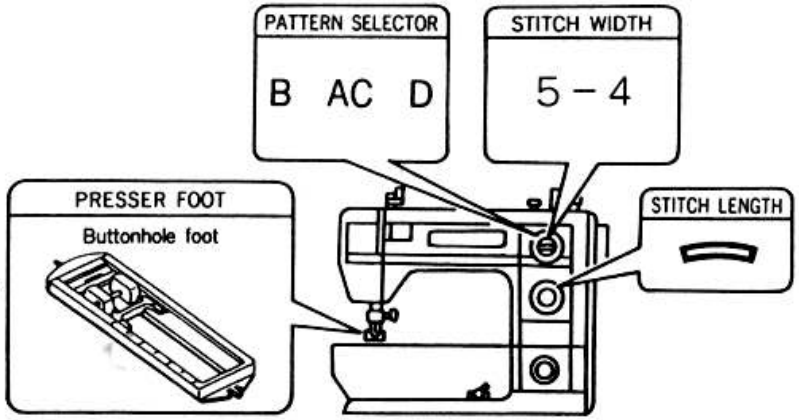


Lower the presser foot and sew hem, guiding fabric evenly along the guide.



When hemming is completed, unfold fabric and press.

BUTTONHOLE SEWING



First make a sample buttonhole on the same fabric as the garment and adjust the stitch length knob within the * ▬ * mark to make sure that you have the most suitable settings.

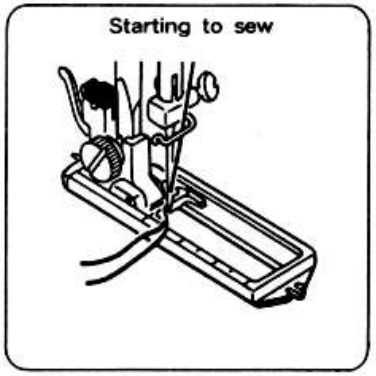
A very minute adjustment of the stitch length in the buttonhole range * ▬ * will produce a considerable change to the stitch density.

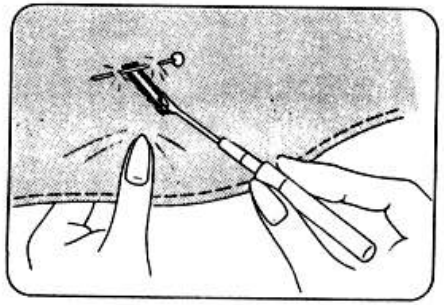
Set the pattern selector according to the below chart.

NOTE : Do not turn pattern selector with needle in fabric. Turn hand wheel until needle is clear of fabric before making adjustment in settings.

	1	2	3	4
PATTERN SELECTOR	A C	B	A C	D
SEWING	↔	↓	↔	↑

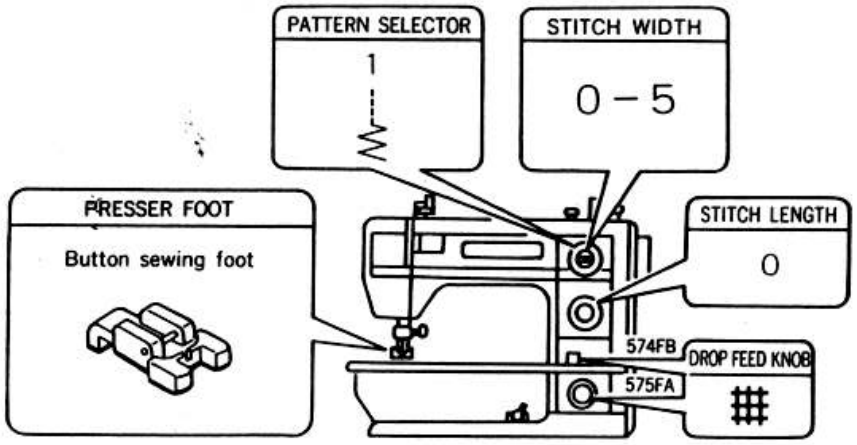
1. Mark position and length of buttonhole on fabric. Turn knob to "A". Position fabric so that needle is on the mark at end furthest from you. Pull the buttonhole foot all the way forward. Sew 5 or 6 bartack stitches.
2. Turn knob to "B" and sew at a moderate speed until stitching reaches other end of mark.
3. Turn knob to "C" and sew 5 or 6 bartack stitches.
4. Turn knob to "D" and sew in a straight line, parallel to the first row of stitches until you reach the original starting point.



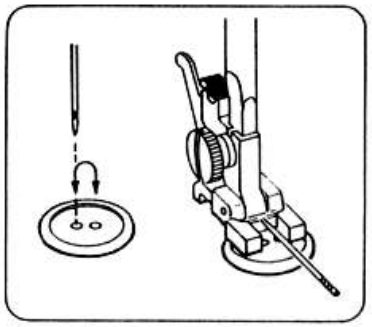


Draw upper thread through to underside and knot upper and bobbin threads.
Cut center of buttonhole with seam ripper, being careful not to cut stitching on either side.

SEWING ON BUTTONS

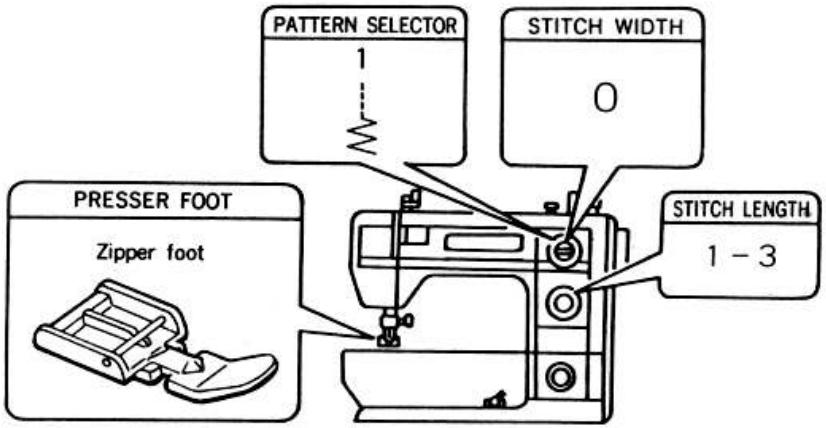


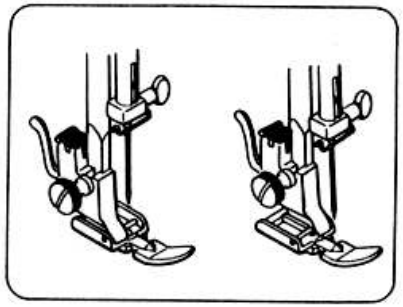
1. Place a button under the button sewing foot and lower the presser foot.
2. Adjust the stitch width according to the width of the holes by turning the hand wheel slowly so that the needle enters the both holes of button.
3. Start the machine and make 5 or 6 stitches.
4. To knot the button in place, set the needle in either hole of the button, raise the presser foot, move the width control to zero (which will move the needle along with the button to the center position), lower the presser foot, then sew two or three stitches which will effectively tie off the button.



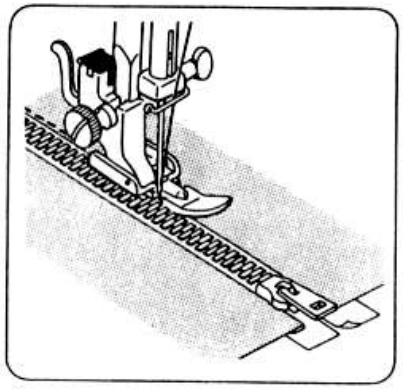
A rounded woodenpick may be placed on the button between the two holes while the button is being sewn to the fabric. When the woodenpick is removed, the button will be loosely attached.

SEWING ZIPPERS



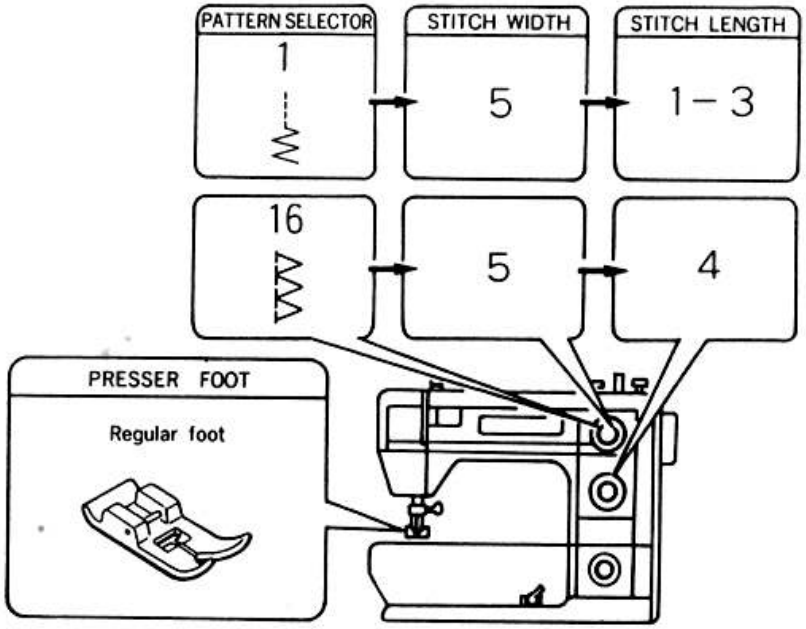


Attach the left side of the presser foot pin to the presser foot holder when sewing on the right side of the zipper, and right side of the presser foot pin to the holder when sewing the left side of the zipper.

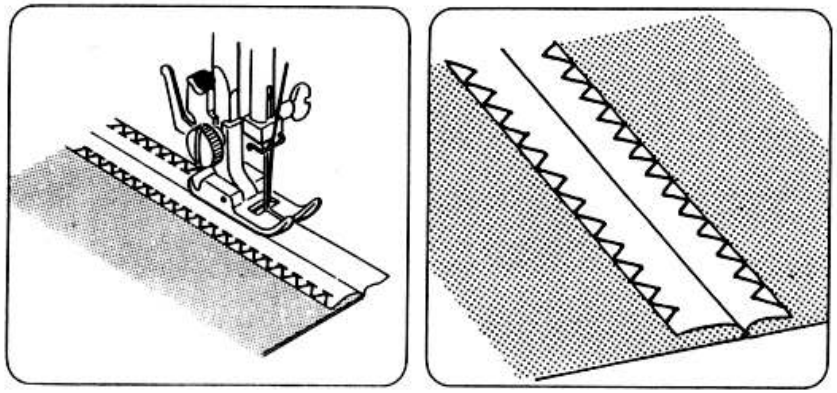


First, attach the left side of the presser foot pin to the presser foot holder and press the side of the foot against the zipper to sew the right side of the zipper. Next, attach the right side of the presser foot pin onto the holder and sew the left side of the zipper.

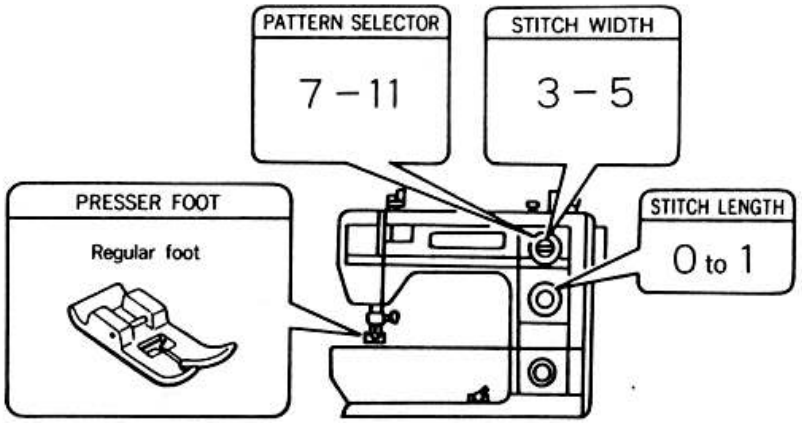
OVERCASTING



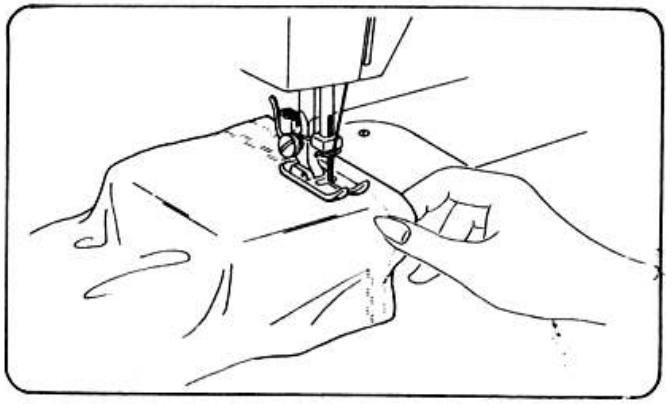
Seam edges which tend to ravel can be given a durable finish with machine overcasting.



DECORATIVE STITCH PATTERNS



Set Stitch Length knob as near to "0" as possible, with fabric continuing to feed through the machine.



To tailor the decorative pattern to the garment, you may narrow the width of the decorative pattern by turning the stitch width knob to a lower number as desired.

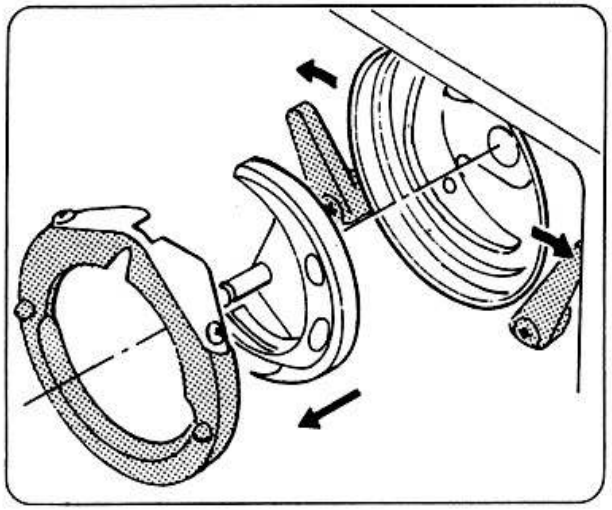
To elongate the pattern, turn stitch length knob little bit to the right.

MAINTENANCE

● Cleaning

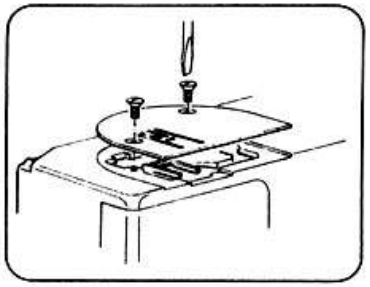
If lint and bits of thread accumulate in the shuttle, this will interfere with the operation of the machine.
Check after every sewing, and clean if necessary.

Open latch retainers by swinging out and down.
Remove shuttle cover and shuttle.

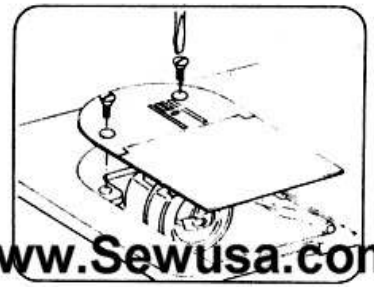


Remove the two screws holding the needle plate.

MODEL 575FA



MODEL 574FB



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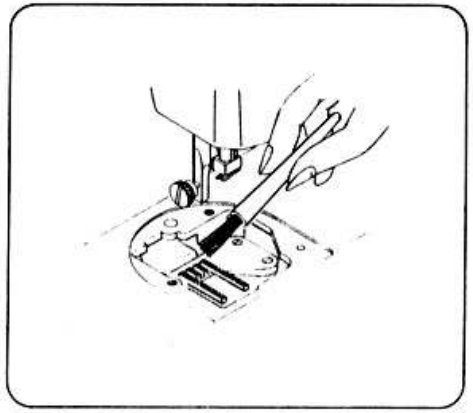
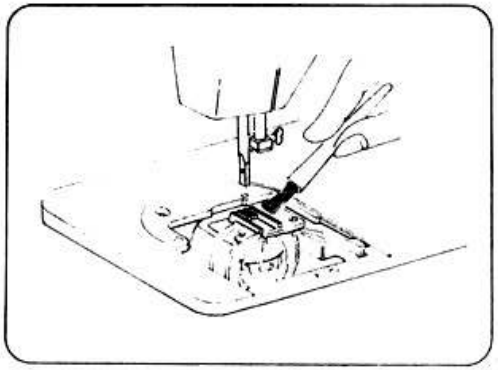
Thoroughly clean with a brush.

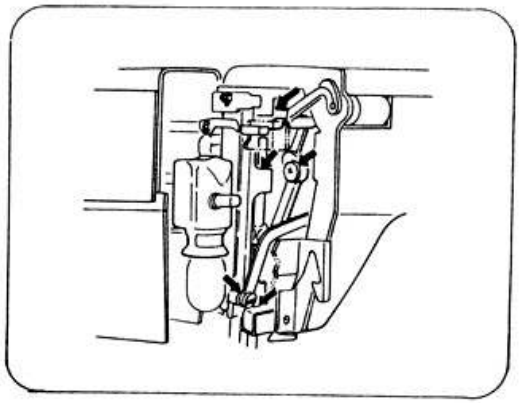


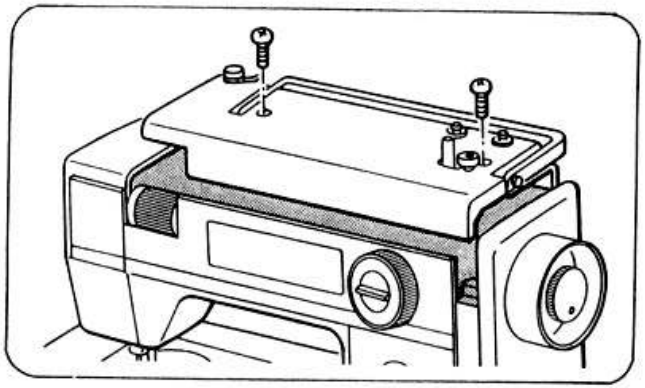


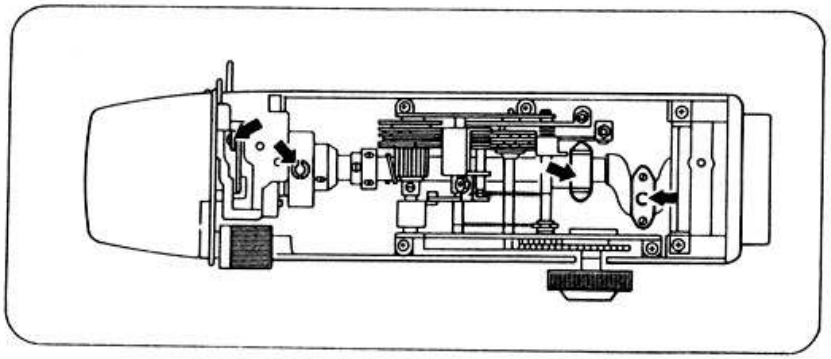
MAINTENANCE

● Oiling

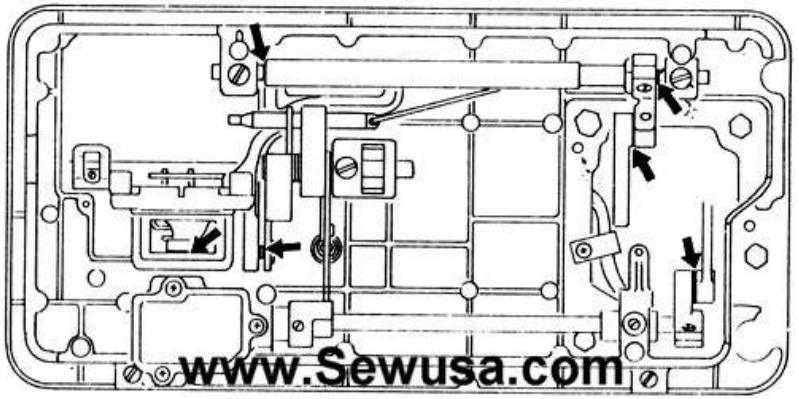
Place one drop of oil at each oiling point indicated by arrows.
Remove excess oil from part that could possibly come in contact with fabric and stain it.
To remove arm cover, remove the two screws as shown below.







MODEL 574FB



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HELPFUL HINTS

PROBLEM	CAUSE	CORRECTION
UPPER THREAD BREAKS	Needle inserted incorrectly Tension on upper thread too tight Needle eye has sharp edges Machine not properly threaded	Reset needle Loosen upper thread tension Insert new needle Rethread machine
BOBBIN THREAD BREAKS	Bobbin case threaded incorrectly Bobbin thread tension too tight Bobbin wound unevenly or too full	Rethread bobbin case Loosen bobbin thread tension Rewind the bobbin
MACHINE SKIPS STITCHES	Bent or blunt needle Needle inserted incorrectly Pressure on foot insufficient	Insert new needle Reset needle Increase pressure
NEEDLE BREAKS	Pulling fabric while sewing Incorrect size needle or thread for fabric being sewn Needle is inserted incorrectly	Do not pull fabric Choose correct size needle & thread Reset needle
MACHINE DOES NOT FEED PROPERLY	Drop-feed knob improperly adjusted Pressure on presser foot insufficient Stitch lengh knob set too close to "0"	Set Drop-feed knob to " ⋮ " Increase pressure Turn stitch length knob to a higher position
FABRIC PUCKERS	Upper thread tension too tight Bobbin thread tension too tight Fabric too sheer or too soft	Loosen upper thread tension Loosen bobbin thread tension Use underlay of tissue paper
MACHINE MAKES LOOSE STITCHES OR LOOPS	Tension not adjusted properly	Check thread tensions
MACHINE RUNS HEAVILY	Machine needs oiling Dirt or lint in shuttle Dirt or lint between teeth of fabric feed dogs	Oil the machine Disassemble and clean shuttle Remove needle plate and clean fabric feed dogs
MACHINE WILL NOT SEW	Cord not plugged into electrical outlet Stop motion knob not tightened	Check plug Tighten stop motion knob